## HILGARDIA

A Journal of Agricultural Science

PUBLISHED BY THE

California Agricultural Experiment Station

## VOLUME 21

MAY, 1951, TO FEBRUARY, 1953

UNIVERSITY OF CALIFORNIA BERKELEY, CALIFORNIA 1953



## No. 1, May, 1951

FLANDERS, STANLEY E. Mass Culture of California Red Scale and Its Golden Chalcid Parasites. (Twenty-one text figures)	1
No. 2, June, 1951	
Bailey, Stanley F. The Genus Aeolothrips Haliday in North America. (Eight plates)	43
No. 3, September, 1951	
KRUEGER, MYRON E. Lumber Grade Recovery in a Circular-Saw Mill in California. (Three text figures)	81
No. 4, September, 1951	
Jeppson, L. R. Studies on the Cause and Development of Ridges on Lime Fruit. (Nine text figures)	105
No. 5, November, 1951	
OVERSTREET, ROY, J. C. MARTIN, and H. M. KING. Gypsum, Sulfur, and Sulfuric Acid for Reclaiming an Alkali Soil of the Fresno Series. (Five text figures)	113
No. 6, November, 1951	
CLAYPOOL, L. L., and F. W. Allen. The Influence of Temperature and Oxygen Level on the Respiration and Ripening of Wickson Plums. (Seventeen text figures)	129
No. 7, November, 1951	
Stewart, W. S., L. J. Klotz, and H. Z. Hield. Effects of 2,4-D and Related Substances on Fruit-Drop, Yield, Size, and Quality of Washington Navel Oranges. (Six text figures)	161
No. 8, January, 1952	
Mann, Louis K. Anatomy of the Garlie Bulb and Factors Affecting Bulb Development. (Nine text figures, sixteen plates)	195

PRITCHARD, A. EARL, and EDWARD W. BAKER. A Guide to the Spider Mites of Deciduous Fruit Trees. (One text figure, fifteen plates)	050
plates)	253
No. 10, February, 1952	
Lesley, J. W., John T. Middleton, and C. D. McCarty. Simi, a Processing Tomato Resistant to Verticillium and Fusarium Wilts. (Three text figures)	289
No. 11, March, 1952	
STEWART, W. S., H. Z. HIELD, and B. L. BRANNAMAN. Effects of 2,4-D and Related Substances on Fruit-Drop, Yield, Size, and Quality of Valencia Oranges. (Six text figures)	301
No. 12, April, 1952	
SCHNEIDER, HENRY. The Phloem of the Sweet Orange Tree Trunk and the Seasonal Production of Xylem and Phloem. (Two text figures, eight plates)	331
No. 13, April, 1952	
SUMMERS, FRANCIS M., and GEORGE A. BAKER. A Procedure for Determining Relative Densities of Brown Almond Mite Populations on Almond Trees. (One text figure)	369
No. 14, May, 1952	
BAKER, G. A., M. A. AMERINE, and E. B. ROESSLER. Theory and Application of Fractional-blending Systems. (Nine text figures)	383
No. 15, May, 1952	
POPE, WARREN K., and R. MERTON LOVE. Comparative Cytology of Colchicine-induced Amphidiploids of Interspecific Hybrids: Agropyron trichophorum × Triticum durum, T. timopheevi and T. macha. (Three plates)	411

LEVI, E., and A. S. CRAFTS. Toxicity of Maleic Hydrazide in California Soils. (Eleven text figures, four plates)	431
Levi, E., and A. S. Crafts. Toxicity of Phenyl Mercuric Compounds in California Soils. (Sixteen text figures, one plate)	465
HARVEY, W. A., and A. S. CRAFTS. Toxicity of Pentachlorophenol and Its Sodium Salt in Three Yolo Soils. (Six text figures)	487
Harvey, W. A. Toxicity of Three 2,4-D Formulations in California Soils. (Seven text figures)	499
No. 17, February, 1953	
EBELING, WALTER. Laboratory Experiments on the Control of Three Species of Fruit Flies (Tephritidae). (Fifteen text figures)	515
EBELING, WALTER, T. NISHIDA, and H. A. BESS. Field Experiments on the Control of the Melon Fly, <i>Dacus cucurbitae</i> . (Three text figures)	
No. 18, February, 1953	
DAY, BOYSIE E. Soil Fumigation with Chlorobromopropene for the Control of Nutgrass. (Seven text figures)	
GIFFORD, ERNEST M., Jr. Effect of 2,4-D upon the Development of the Cotton Leaf. (Twenty-six text figures)	